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World leaders in chemical etching

EST. 1968

METAL SCREENING CANS FOR PCB BOARDS

Metal screening cans for PCB (Printed Circuit Board) boards are specialised containers designed to shield and protect electronic components on PCBs from electromagnetic interference (EMI) and radio frequency interference (RFI).

These cans are made from high-quality metals such as nickel silver, tin-plated steel, or aluminium, ensuring durability and reliability in electronic applications. They feature precise dimensions and configurations to fit seamlessly over PCB components, providing effective electromagnetic shielding.

KEY FEATURES

Material	Tin-plated steel, Nickel silver or aluminium
Design	Custom-fit cans with additional option of custom-made lids
Shielding Effectiveness	Provides robust shielding against EMI and RFI
Surface Finish	Smooth finish to ensure compatibility with PCB assembly processes
Mounting	Options for soldering or mechanical attachment
Customisation	Available for specific PCB layouts and component arrangements

TECHNICAL SPECIFICATIONS

Material Option	Tin-plated steel, Nickel silver or aluminium
Thickness	Typically, 0.1 mm to 0.5 mm (custom thickness available)
Dimensions	Customisable to fit specific PCB layouts and component sizes
Surface Treatment	Tin-plated or other finishes for enhanced conductivity and corrosion resistance
Compatibility	Designed to integrate with standard PCB manufacturing processes

APPLICATIONS

CONSUMER ELECTRONICS
(smartphones, tablets, laptops)

TELECOMMUNICATIONS EQUIPMENT

AUTOMOTIVE ELECTRONICS

INDUSTRIAL CONTROL SYSTEMS

MEDICAL DEVICES

AEROSPACE AND DEFENCE

BENEFITS

- ✓ Ensures reliable performance by preventing interference from affecting sensitive electronic components
- ✓ Facilitates compliance with electromagnetic compatibility (EMC) requirements in electronic devices
- ✓ Enhances signal integrity and reduces electromagnetic emissions
- ✓ Simplifies PCB design by providing standardised shielding solutions
- ✓ Supports efficient production with compatibility with automated assembly processes

CERTIFICATIONS AND COMPLIANCE

- RoHS compliant

For inquiries, pricing, and orders, please contact **enquiries@photofab.co.uk**